



# INSTRUCTION SHEET

Bulletin No. 1531219

## Ranco Automotive Thermostatically Controlled Heater Control Valve Repair Procedure (HTR-100)

**NOTE:** These instructions are to be used only on RANCO type valves and to service those part numbers used on the reverse side. At all times be observant in disassembly, as there are some parts that can be reassembled backwards, upside down, or with wrong orientation which may not let the valve perform properly.

### VALVE DISASSEMBLY INSTRUCTIONS

1. Remove the Spring from the Arm and Bracket (see 1 of Diagram "A").
2. Remove the black overtravel clip (see 2 of Diagram "B" from the Shaft and Lever Assembly. The slot of the clip is from the side. The clip must be removed sideways (see sketch of clip, Diagram "B").
3. Remove the Frame Assembly (see 3 of Diagram "C") by bending (4) tabs up and lift off.
4. Remove the Water Valve Assembly (see 4 of Diagram "C") by clamping snugly into a vice, then bend (4) tabs up. (Look for the orientation before removing from Bracket.)
5. Remove clip, bell and seal from the Shaft Assembly (see Diagram "C"). Observe where the top of the seal is in relation to the Shaft.

### REASSEMBLY INSTRUCTION

1. Replace the seal and wire retainer in the same position as removed.
2. Install bell and small clip.
3. Install Valve to Bracket. NOTE: All tabs on Valve body must be straight for insertion into the Bracket with no major force applied, as this could bend the body and create a water leak. Install Valve to Bracket. Observe orientation.
4. Install Frame Assembly onto the Bracket.
5. Install the overtravel clip to Lever and Shaft.
6. Install the Spring to the Arm and Bracket.

DIAGRAM A

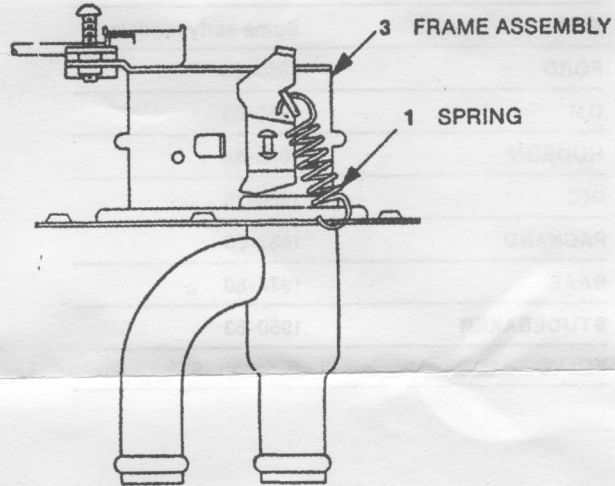


DIAGRAM B

(Bottom View)

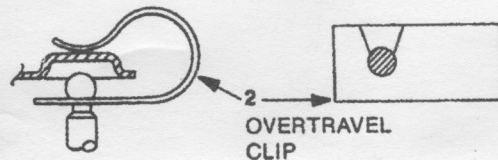


DIAGRAM C

4 WATER VALVE ASSEMBLY

